

ABSTRACT

A cylindrical rotating thickening device including an axial core, a plurality of longitudinally extending spaced apart support ribs extending radially from the axial core, and a shell surrounding the support ribs and supported thereon. The shell includes a plurality of longitudinally extending spaced apart grooves, and a perforated deck surrounding and supported on the shell. The deck includes a plurality of closely adjacent deck segments, and each deck segment includes a leading edge and a trailing edge. Each deck segment further includes an integral bar attached to the leading edge and received in the shell groove, and a plurality of fasteners for securing the bar to the shell.